

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(37 C.F.R. 1.98(b)) (Use several sheets if necessary)

ATTY. DOCKET NO.  
NOR/998A

SERIAL NO.  
09/998,875

APPLICANT  
Condrashoff et al.

FILING DATE  
October 31, 2001

GROUP  
1734

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A.A	5 8 2 3 4 1 6	10/1998	Haji			
A.B	6 0 9 3 9 0 4	07/2000	Haji			
A.C						
A.D						
A.E						
A.F						
A.G						
A.H						
A.I						
A.J						
A.K						

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FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
A.L					
A.M					
A.N					
A.O					
A.P					
A.Q					

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

A.R	
A.S	
A.T	

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KAPLA MOORE

DATE CONSIDERED

8/24/04

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. NOR/998A		SERIAL 09/998A							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 CFR 1.950)				APPLICANT Condrashoff et al.		RECEIVED MAR 8 2002 1700							
				FILING DATE October 31, 2001									
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
u	A.A	3	2	9	4	6	7	0	12/27/66	Charschan et al.	204	298	10/7/63
	A.B	3	6	4	1	9	7	3	2/15/72	Shrader	118	49	11/25/70
	A.C	4	2	0	8	1	5	9	6/17/80	Uehara et al.	414	225	
	A.D	4	2	5	2	5	9	5	2/24/81	Yamamoto et al.	156	345	
	A.E	4	2	7	8	5	2	8	7/14/81	Kuehnle et al.	204	298	10/9/79
	A.F	4	3	1	8	7	6	7	3/9/82	Hijkata et al.	156	345	
	A.G	4	3	3	6	4	3	8	8/22/82	Uehara et al.	219	121PG	9/16/80
	A.H	4	4	0	5	4	3	5	9/20/83	Tateishi et al.	204	298	
	A.I	4	4	1	8	6	3	9	12/6/83	Wills et al.	118	50	5/19/81
	A.J	4	5	5	0	2	3	9	10/29/85	Uehara et al.	219	121PG	9/27/82
	✓	A.K	4	5	5	0	2	4	2	10/1985	Uehara et al.	156	345
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)						
u	A.L	DE 3935002	4/1991	Germany			Abstract Only						
	A.M	09-129581	5/1997	Japan			Abstract Only						
	A.N	59-164696	9/1984	Japan			Abstract Only						
	A.O	04-123430	4/1992	Japan			Abstract Only						
	A.P	03-023137	1/1991	Japan			Abstract Only						
	✓	A.Q	04-311044	11/1992	Japan			Abstract Only					
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
u	A.R	Panasonic Factory Automation Company, Plasma Cleaning Systems, Brochure, 11/2000											
	A.S	Panasonic Factory Automation Company, Japanese Brochure, 11/2000											
	✓	A.T	March Instruments, Inc., In-Line Plasma System, Brochure, 8/1995										
EXAMINER		KARLA MOORE				DATE CONSIDERED		8/24/04					

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U.S. DEPARTMENT OF COMMERCE  
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ATTY. DOCKET NO.  
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SERIAL NO.  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
mu	B.A	4 5 7 5 2 9 9	3/1986	Layton	414	222	
	B.B	4 5 8 4 0 4 5	4/1986	Richards	156	345	
	B.C	4 6 3 7 8 5 3	1/20/87	Bumble et al.	156	345	
	B.D	4 7 0 5 4 4 4	11/1987	Tullis et al.	118	729X	
	B.E	4 7 7 0 1 2 1	9/13/88	Ebata et al.	118	686	2/3/87
	B.F	4 8 1 6 1 1 6	3/1989	Davis	156	643	
	B.G	4 8 1 6 6 3 8	3/28/89	Ukai et al.	219	121.43	10/20/87
	B.H	4 8 4 0 7 0 2	6/20/89	Schumacher, III	156	643	12/29/87
	B.I	4 8 8 8 8 0 9	12/26/89	Canella	204	298	
	B.J	5 0 3 0 0 5 6	7/9/91	Kitayama et al.	414	749	7/23/90
	B.K	5 0 4 4 8 7 1	9/1991	Davis et al.	414	786	

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
mu	B.L 03-159143	7-1991	Japan			Abstract Only
mu	B.M 6-21032	1/1994	Japan			Abstract Only
	B.N					
	B.O					
	B.P					
	B.Q					

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

mu	B.R	March Instruments, Inc., TAC Technology Advancement Center, Brochure, 2/1995
	B.S	Materials Research Corporation, 1.12 Inline production magnetron sputtering, Journal Article, 3 pages
	B.T	Von Dr.-Ing M. Nowotnick, Fraunhofer-Einrichtung für Zuverlässigkeit und Mikrointegration (IZM), Berlin, Plasmabehandlung als umweltfreundliche Alternative in der Leiterplattenfertigung, Galvanotechnik D-88348 Saulgau 86 (1995) Nr. 4; Journal Article, 6 pages

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mu</i>	C.A	5 0 7 9 0 3 1	1/1992	Yamazaki et al.	118	729X	<del>X</del>
	C.B	5 0 8 6 7 2 9	2/11/92	Katagiri	118	729	6/13/89
	C.C	5 1 1 6 6 4 0	5/1992	Mikami et al.	118	719X	<del>X</del>
	C.D	5 2 1 6 2 2 3	6/1/93	Straemke	219	121.43	2/25/91
	C.E	5 2 5 9 9 4 2	11/1993	Kempf	204	298.25	<del>X</del>
	C.F	5 2 8 6 2 9 6	2/1994	Sato	118	719	<del>X</del>
	C.G	5 2 8 8 6 8 4	2/1994	Yamazaki et al.	118	723 E X	<del>X</del>
	C.H	5 2 9 2 3 9 3	3/1994	Maydan	156	345	<del>X</del>
	C.I	5 3 0 2 0 7 7	4/1994	Sato	414	609	<del>X</del>
	C.J	5 3 0 3 6 7 1	4/19/94	Kondo et al.	118	719	<del>X</del>
	C.K	5 3 1 0 4 1 0	5/1994	Begin	29	25.01	<del>X</del>

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

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INFORMATION DISCLOSURE  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mm</i>	D.A	5	3	1	4	2	9	8	5/1994	Kim	414	797.9	X
	D.B	5	3	4	5	0	5	6	9/6/94	Frel et al.	219	121.59	12/12/91
	D.C	5	3	8	7	2	6	5	2/1995	Kakizaki et al.	118	730X	X
	D.D	5	4	3	3	3	7	1	7/16/95	Morisako	228	180.5	10/13/93
	D.E	5	4	8	0	0	5	2	1/2/96	Furr et al.	216	71	10/22/93
	D.F	5	4	9	2	2	6	5	2/20/96	Wandke	228	205	12/20/94
	D.G	5	5	1	5	9	8	6	5/1996	Turiot et al.	156	345X	X
	D.H	5	5	4	2	5	5	9	8/6/96	Kawakami et al.	216	67	2/14/94
	D.I	5	5	7	3	5	9	7	11/12/96	Lantsman	118	723MP	X
	D.J	5	5	7	6	6	2	9	11/19/96	Turner et al.	324	709	10/24/94
	D.K	5	5	8	7	2	0	5	12/24/96	Saito et al.	427	553	X

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Sheet 5(E) of 5

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(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

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<i>ku</i>	E.A	5 6 0 9 2 9 0	3/11/97	Bobbio et al.	228	206	4/20/95
	E.E	5 6 3 4 7 6 5	6/3/97	Miyoshi	414	786	6/7/95
	E.C	5 6 4 7 9 4 2	7/1998	Haji	156	281	X
	E.D	5 7 0 7 8 8 5	1/13/98	Rolfson et al.	156	643.1	12/20/95
	E.E	5 7 6 7 0 6 8	6/1998	Haji	438	612	X
	E.E	5 7 7 6 8 0 7	7/1998	Domfest et al.	134	1.2	X
	E.E	5 3 5 8 5 1 0	7/1998	Sivaramakrishnam et al.	427	255.6	X
	E.H	5 3 7 2 1 8 3	10/26/99	Haji	156	345	2/6/98
	E.E	8 3 3 1 3 4 7	12/18/01	Haji	428	209	4/1/98
	E.J						X
	E.K						X

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	E.L					
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